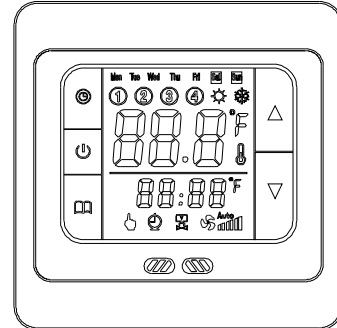# HT07H Touch Screen Heating Thermostat with Weekly Programmable

General

- HT07H Touch Screen Heating Thermostat with weekly programming adopts the latest MCU technology.
- The application is heating equipment: Water heating system or electric heating or actuator control.
- Digital display of sensing temperature and user selected temperature setting on demand, easy for use.
- The clock continues when power fail and it won't affect the period of time settings.
- It has the high reliability and powerful anti-jamming.
- Setting daily 4 periods of time and the setting temperature.
- Kinds of periods of time modes. 5+2 / 6+1 / 7days
- The selection for manual control or automatic periods of time control.
- Mini size junction box and suitable for the entire world.
- Flame retardant and safe and easy-cleaning.
- Large LCD display with green or blue or white backlight
- keypad lock function to prevent the misuse children
- Extra sensor: 3 meters (Optional)

Operation Guide

- Press ⏻ you can turn on or turn off the power.
- Press ▲ or ▼ to adjust the setting temperature value and other setting item.
- Keep pressing 🕔 for 5 seconds，it will enter into the current time adjustment.
  🕔 Choose the week / hour / minute to be modified, press ▲ or ▼ to modify the current item,
  after set minute if you press 🕔 then exit the clock setting.
- Press ⏻ you can choose the user manual mode 👆 or automatic mode 🕘.
- Keep pressing the key ⏻ for 5 seconds，it will enter into the period of time setting mode. Press ⏻ to choose the one need to be modified; it will start the time and setting temperature. Press ▲ or ▼ to modify the value.
- Set the temperature and turns the clock display, temperature measurement read directly.
- At the same time key 🕔 ⏻ for 2 seconds, the controller keypad is locked. LCD will show ---, in the locked status, press the key 🕔 ⏻ for 2 seconds, keypad will be unlock. LCD will show temperature value.
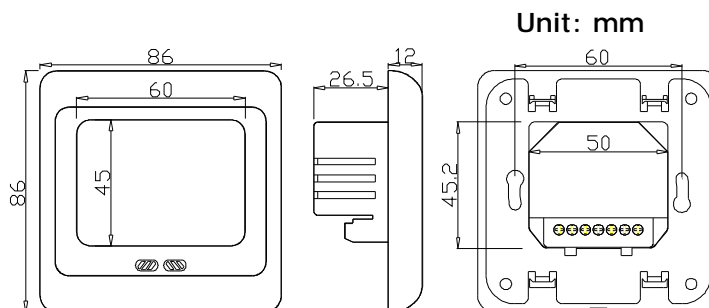
Advance function setting

- How into advance function setting: switch off the thermostat use Press ⏻，Display will show "**OFF**". press ⏻ thermostat will turn on. It will show "**byc**", Press Key ⏻, it will into the advanced function setting.
- The screen will show **AdJ** and into temperature calibration program, Setting rang:-5.0->+5.0°C adjust ▲ or ▼ to modify，after 1 SEC. the display will show temperature value with modified. Default setting value: -2.5°C
- Press the key ⏻ to select the period-time mode：The main display shows $Pr\ G$ the week area will be Mon Tue Wed Thu Fri [Sar] [Sun] the number will gleam when the same setting. You can use ▲ or ▼ to choose the mode 5+2 / 6+1 / 7days
- Press the key ⏻ into Antifreeze feature set: **LtP**, You can use ▲ or ▼ to choose: **ON**: Enable **OFF**: Disable
- Press the key ⏻ to select Sensor or temperature control mode, You can use ▲ or ▼ to choose: **IN** (internal control, room sensor) / **OUT** (external control, floor sensor) / **ALL** (double temperature double control, the internal room temperature sensor, external sensor overheating protecting, default setting value: **IN**)
- Press the key ⏻ to Set the value of external temperature sensor limit, display: **ToP** (setting range: 40 to 80 °C)
- Press the key ⏻ to Set the value of internal sensor hysteresis, display:**dt0** (setting rang:0.5 to 4°C) (default setting:1°C)
- Press the key ⏻ to Set the value of External sensor hysteresis, display:**dt1**(setting rang:0.5 to 5°C) (default setting:3°C)
- Press the key ⏻ to Set the value of backlighting status, display: **bL**(on: always display off: auto switch off after 5 sec. default setting: **off**)
- Press the key ⏻ to set the system run status at re-power, display:**Sat**(on:the same as previous status, off: off status at every time, default setting: **off**)
- Press the key ⏻ to Restore factory settings, display :**deF**, after finished, it will back to normal working status automatic

Technical parameters

- Power Supply: 230VAC ±10% 50/60 Hz （24VAC Optional）
- The maximum switch power is 3600W.
- Internal sensor setting range: 5 - 35°C (programmable) (factory setting: 25°C)
- Internal sensor measurement range: 0 - 40°C
- External sensor measurement range: 0 - 90°C (factory setting: 50°C)
- Display Type: touch LCD screen, display area size: 60 x 45 mm
- Inside Sensor: NTC B=3380 10k @25degrees Celsius
- Extra Sensor: Length=3M NTC B=3380 10k @25degrees Celsius(Optional)
- Setting Unit: 0.5°C / step
- Indication Accuracy: 0.1°C
- Weight: 180 g/piece

Dimensions: Unit: mm

Setup guide:

1 Complete Thermostat Unit

2A Separate the Polycarbonate Bezel unit from the LCD screen.

| Replace the Bezel unit screen into the LCD screen | 2B |

| Illustration shows the LCD screen fitted into the back box on the wall. | 3B |

3A Using a flat screw press the security clips to detach the LCD screen from the back box.

| Put back the LCD screen into the back box fitted on the wall. | 4B |

4A Illustration shows the detached LCD screen from the back box

| Illustration shows the back box fitted into the wall. | 5B |

5A Fit the back box into the wall with the screws.